ARGOSY Model G18

General Description: Four-valve (plus metal rectifier), two-waveband, table radiogramophone.

Power Supplies: A.C. mains, 200–250 volts.

Wavebands: L.W. 1160—2000 m.; M.W. 177–570 m.

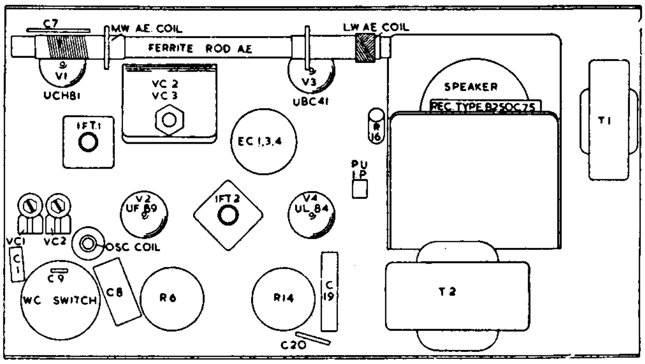
Valves: (V1) UCH81; (V2) UF89; (V3) UBC41; (V4) UL84. Typical voltages, measured on Avo Model 8 (20,000 ohms/volt) are indicated on circuit diagram.

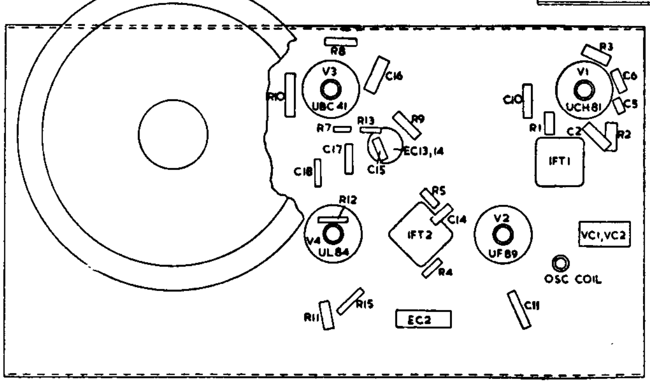
Alignment Procedure: *I.F.:* Set receiver volume control at maximum. Inject a 470-kc/s. signal from signal generator via a 0·1-μF. capacitor to the grid of V2 and adjust cores of 2nd I.F.T. for maximum output, reducing the output from generator as necessary to keep the output below 50 mW. Transfer the generator output to the grid of V1, with set switched to M.W. and tuning gang at minimum capacitance. Adjust cores of 1st I.F.T., again keeping output below 50 mW.

R.F.: Close tuning gang to check that pointer is set to zero on scale. Check that volume control is at maximum. Inject signals via dummy aerial and 5-pF. capacitor to aerial section of tuning gang (with earth lead clipped on chassis).

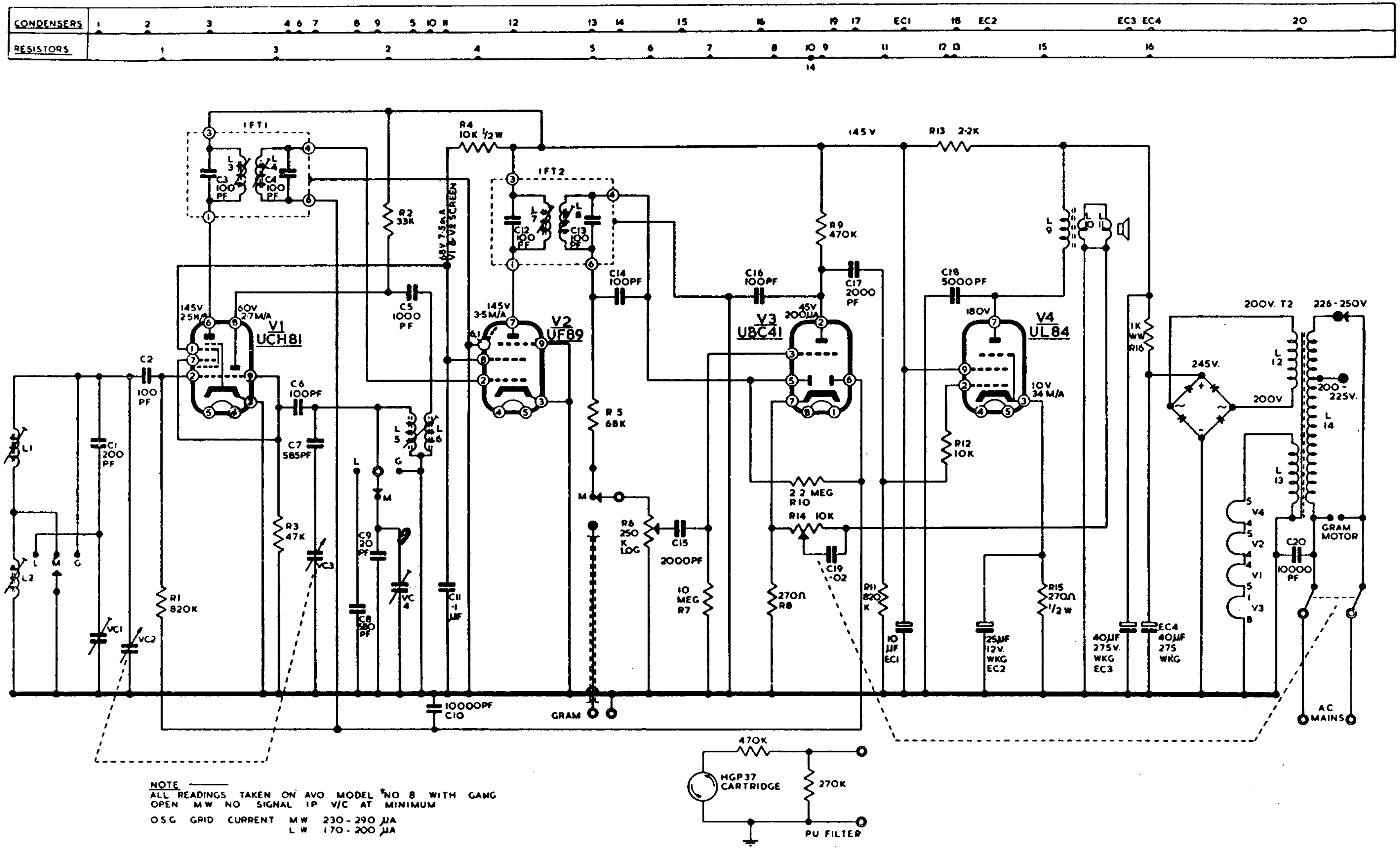
M.W.: Inject a 575-kc/s. signal, tune set to this frequency and adjust slug of oscillator coil for 2nd peak (nearest to chassis) and slide M.W. aerial coil on rod for maximum output. Inject and tune to 1500 kc/s., adjust oscillator and aerial trimmers. Repeat these operations until no further improvement is possible and check sensitivity and calibration. Seal coils and trimmers.

L.W.: Inject and tune to 225 kc/s. Check calibration and adjust L.W. aerial coil for maximum output. Check sensitivity and calibration and seal coil.





Chassis Lay-out Diagrams



NOTE
ALL READINGS TAKEN ON AVO MODEL NO 8 WITH GANG OPEN MW NO SIGNAL IP V/C AT MINIMUM
OSG GRID CURRENT MW 230-290 µA
LW 170-200 µA

Circuit Diagram—Argosy Model G18